

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1.-36. (Cancelled)

37. (Currently Amended) A data-mirroring method comprising:

obtaining control from an I/O process executing on a host computer, the I/O process processing a first I/O request for writing data to a first device, wherein obtaining control from an I/O process comprises intercepting a call by a first module to a second module;

creating a second I/O request for writing the data to [the] a second device; and returning control to the I/O process.

38. (Previously Presented) The method of claim 37, further comprising determining that the first device is being mirrored by a second device.

39. (Previously Presented) The method of claim 37, wherein obtaining control from an I/O process comprises:

identifying a forward pointer to instructions to be executed by the I/O process in processing the first I/O request; and

causing the forward pointer to point to a front-end detour that includes instructions for creating the second I/O request.

40. (Currently Amended) The method of claim 37, further comprising selecting the first module to be [wherein obtaining control from an I/O process comprises intercepting a call by] an IOSVSSCH module and selecting the second module to be a DDTSIO module.

41. (Currently Amended) The method of claim 37, wherein obtaining control from an I/O process comprises:

identifying a forward pointer that points to instructions for executing the second [a DDTSIO] module, and

causing the forward pointer to point to instructions for executing a front-end detour, the front-end detour including instructions for creating the second I/O request.

42. (Previously Presented) The method of claim 37, further comprising:

obtaining control from the I/O process after the first I/O request has been made available to a first data storage system managing the first device; and

obtaining information indicative of a status of the first I/O request.

43. (Previously Presented) The method of claim 37, further comprising:

identifying a return pointer to a module that is intended to receive information indicative of a status of the first I/O request; and

causing the return pointer to point to a back-end detour, the back-end detour including instructions for causing the second I/O request to be provided to a second data storage system managing the second device.

44. (Currently Amended) The method of claim 43, wherein identifying a return pointer comprises identifying a pointer to the first [an IOSVSSCH] module.

45. (Previously Presented) A computer-readable medium having encoded thereon software for executing a data-mirroring [computer-readable medium] method, said software comprising instructions for:

obtaining control from an I/O process executing on a host computer, the I/O process processing a first I/O request for writing data to a first device wherein the instructions for obtaining control from the I/O process comprise instructions for intercepting a call by a first module to a second module;

creating a second I/O request for writing the data to [the] a second device; and returning control to the I/O process.

46. (Previously Presented) The computer-readable medium of claim 45, wherein the software further comprises instructions for determining that the first device is being mirrored by a second device; and

47. (Previously Presented) The computer-readable medium of claim 45, wherein the instructions for obtaining control from an I/O process comprise instructions for:

identifying a forward pointer to instructions to be executed by the I/O process in processing the first I/O request; and

causing the forward pointer to point to a front-end detour that includes instructions for creating the second I/O request.

48. (Previously Presented) The computer-readable medium of claim 45, wherein the instructions for obtaining control from an I/O process comprise instructions for selecting the first module to be [intercepting a call by] an IOSVSSCH module and selecting the second module to be a DDTSIO module.

49. (Currently Amended) The computer-readable medium of claim 45, wherein the instructions for obtaining control from an I/O process comprise instructions for:

identifying a forward pointer that points to instructions for executing the first [a ~~DDTSIO~~] module, and

causing the forward pointer to point to instructions for executing a front-end detour, the front-end detour including instructions for creating the second I/O request.

50. (Previously Presented) The computer-readable medium of claim 45, wherein the software further comprises instructions for instructions for:

obtaining control from the I/O process after the first I/O request has been made available to a first data storage system managing the first device; and

obtaining information indicative of a status of the first I/O request.

51. (Previously Presented) The computer-readable medium of claim 45, wherein the software further comprises instructions for:

identifying a return pointer to a module that is intended to receive information indicative of a status of the first I/O request; and

causing the return pointer to point to a back-end detour, the back-end detour including instructions for causing the second I/O request to be provided to a second data storage system managing the second device.

52. (Currently Amended) The computer-readable medium of claim [32]51, wherein the instructions for identifying a return pointer comprise instructions for identifying a pointer to the first [~~an~~ ~~IOSVSSCH~~] module.

53. (New) A data-mirroring method comprising:

obtaining control from an I/O process executing on a host computer, the I/O process
processing a first I/O request for writing data to a first device;
creating a second I/O request for writing the data to the second device; and
returning control to the I/O process;

wherein obtaining control from an I/O process comprises:

identifying a forward pointer to instructions to be executed by the I/O process in
processing the first I/O request; and
causing the forward pointer to point to a front-end detour that includes instructions for
creating the second I/O request.

**54. (New) A computer-readable medium having encoded thereon software for executing a
data-mirroring method, said software comprising instructions for:**

obtaining control from an I/O process executing on a host computer, the I/O process
processing a first I/O request for writing data to a first device;
creating a second I/O request for writing the data to the second device; and
returning control to the I/O process;

wherein, the instructions for obtaining control from an I/O process comprise instructions
for:

identifying a forward pointer to instructions to be executed by the I/O process in
processing the first I/O request; and

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causing the forward pointer to point to a front-end detour that includes instructions for
creating the second I/O request.